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NOTICE OF ALLOWANCE AND FEE(S) DUE

65913

7590

07/14/2008

EXAMINER COLEMAN, WILLIAM D ART UNIT PAPER NUMBER

M/S41-SJ

NXP, B.V.

NXP INTELLECTUAL PROPERTY DEPARTMENT 1109 MCKAY DRIVE SAN JOSE, CA 95131

2823 DATE MAILED: 07/14/2008

APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/537.518	06/03/2005	Robertus Theodorus Franciscus Van Schaijk	BE02 0039 US	3563

TITLE OF INVENTION: SHALLOW TRENCH ISOLATION IN FLOATING GATE DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	10/14/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:**

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B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

maintenance fee notifica	correspondence including delow or directed off ations. ENCE ADDRESS (Note: Use BI	•	Not Fee pap	e: A certificate of (s) Transmittal. Thers. Each addition	mailing is certif al paper	g can only be used for icate cannot be used for , such as an assignmen	correspondence address as ate "FEE ADDRESS" for domestic mailings of the r any other accompanying t or formal drawing, must
65913 7590 07/14/2008 NXP, B.V. NXP INTELLECTUAL PROPERTY DEPARTMENT M/S41-SJ			hav I he Stat	Centricate certificate certificate certify that the service verses to the Main certificate	e of maintenter of the contract of the contrac	ling or transmission. of Mailing or Transn	nission deposited with the United class mail in an envelope
1109 MCKAY I SAN JOSE, CA							(Depositor's name)
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							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	•	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/537,518	06/03/2005	Robertus	s Theodorus Franciscus Va	n Schaijk]	BE02 0039 US	3563
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	NO NO	\$1440	\$300	\$0	ETEE	\$1740	10/14/2008
nonprovisional		ART UNIT	CLASS-SUBCLASS]		\$1740	10/14/2006
COLEMAN.	WILLIAM D	2823	438-257000	J			
"Fee Address" inc PTO/SB/47; Rev 03- Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un	AND RESIDENCE DATA less an assignee is ident th in 37 CFR 3.11. Comp	"Indication form and. Use of a Customer A TO BE PRINTED ON a signee	(1) the names of up to or agents OR, alternati (2) the name of a single registered attorney or a registered patent attolisted, no name will be THE PATENT (print or type data will appear on the pT a substitute for filing an (B) RESIDENCE: (CITY)	vely, le firm (having as agent) and the nameneys or agents. If printed. pe) atent. If an assignassignment.	a memb nes of u no nam	er a 2 p to le is 3	cument has been filed for
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 C	orporati	on or other private gro	up entity Government
Advance Order -	are submitted: No small entity discount p # of Copies	 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 					
_ 。 .	ns SMALL ENTITY statu	/	☐ b. Applicant is no lon	ger claiming SMA	LL EN	ΓΙΤΥ status. See 37 CF	R 1.27(g)(2).
NOTE: The Issue Fee ar interest as shown by the	nd Publication Fee (if req records of the United Sta	uired) will not be accepte ites Patent and Trademark	d from anyone other than t Office.	he applicant; a reg	istered a	attorney or agent; or the	e assignee or other party in
Authorized Signature				Date			
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This collection of inform an application. Confident submitting the complete this form and/or suggest Box 1450, Alexandria, Valexandria, Virginia 220	ntiality is governed by 35 dapplication form to the ions for reducing this but Virginia 22313-1450. DC	CFR 1.311. The information of U.S.C. 122 and 37 CFR U.S.C. 125 and 37 CFR U.S.C. Time will vary den, should be sent to the D.NOT SEND FEES OR	on is required to obtain or in 1.14. This collection is estable depending upon the indiversity of the Chief Information Office COMPLETED FORMS TO	retain a benefit by timated to take 12 vidual case. Any co er, U.S. Patent and O THIS ADDRES	the publ minutes omment Traden S. SENI	ic which is to file (and to complete, including s on the amount of tim hark Office, U.S. Depa TO: Commissioner for the commissioner for	by the USPTO to process) g gathering, preparing, and the you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 386 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 386 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/537,518	VAN SCHAIJK ET AL.	
Notice of Allowability	Examiner	Art Unit	
	W. David Coleman	2823	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communica IGHTS. This application is subje	application. If not included tion will be mailed in due course. THIS	
1. 🔀 This communication is responsive to May 27, 2008.			
2. ☑ The allowed claim(s) is/are <u>3,5 and 13</u> .			
 3. Acknowledgment is made of a claim for foreign priority unally All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	e been received. e been received in Application No)	
Copies of the certified copies of the priority do	cuments have been received in t	his national stage application from the	
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subminformal patent application (PTO-152) which give	MENT of this application. nitted. Note the attached EXAMIN	IER'S AMENDMENT or NOTICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st he submitted		
(a) ☐ including changes required by the Notice of Draftspers		TO-948) attached	
1) hereto or 2) to Paper No./Mail Date	-	,	
 (b) ☐ including changes required by the attached Examiner' Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 	.84(c)) should be written on the dr	awings in the front (not the back) of	
each sheet. Replacement sheet(s) should be labeled as such in to 6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIA	AL must be submitted. Note the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informa	al Patent Annlication	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🔲 Interview Summ	ary (PTO-413),	
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Mail 7.	Date ndment/Comment	
		ement of Reasons for Allowance	
Paper No./Mail Date4.			

Application/Control Number: 10/537,518 Page 2

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DETAILED ACTION

Allowable Subject Matter

1. Claims 3, 5 and 13 allowed.

2. The following is an examiner's statement of reasons for allowance: the prior art does not anticipate nor render obviousness as to removing or partially removing the isolation zone and filling a cavity for fabricating floating gate type semiconductor devices.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to W. David Coleman whose telephone number is 571-272-1856. The examiner can normally be reached on Monday-Friday 9:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matt Smith can be reached on 571-272-1907. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2823

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

W. David Coleman Primary Examiner Art Unit 2823

/W. David Coleman/ Primary Examiner, Art Unit 2823